

### **ABSTRACT OF THE DISCLOSURE**

[0036] A current-domain transmitter is configured to receive an input signal and provide a transmitted signal. The transmitter has a plurality of elements, operatively arranged between the input signal and the transmitted signal and configured to represent the input signal with respective electric currents whose respective current magnitudes are each substantially proportional to the input signal. The elements may include a current-steering digital-to-analog converter (DAC), a current mode filter (such as an LPF), a current mode mixer, and/or a current mode amplifier.